

What is Claimed is:

1. A translator apparatus comprising:
 - a first transceiver adapted to interface a first communication network having a register map of values;
 - a second transceiver adapted to interface a second communication network having a plurality of slave devices, said slave devices having a plurality of different maps of objects and commands; and
 - a processor comprising:
 - a first interface to said first transceiver,
 - a second interface to said second transceiver, and
 - a communication routine adapted to:
 - receive a request based upon said register map through the first transceiver related to at least one of the objects of one of the slave devices, said at least one of the objects of one of the slave devices being responsive to a first command, said at least one of the objects of another one of the slave devices being responsive to a different second command,
 - send a command through the second transceiver related to said at least one of the objects of one of the slave devices, said command being selected from a corresponding one of the maps of objects and commands,
 - receive a response based upon said command through the second transceiver related to said at least one of the objects of one of the slave devices, and
 - send a response based upon said register map through the first transceiver related to said at least one of the objects of one of the slave devices.
2. The translator apparatus of Claim 1 wherein said first communication network is a Modbus RTU network.
3. The translator apparatus of Claim 1 wherein said second communication network is an INCOM network.
4. The translator apparatus of Claim 1 wherein said second communication network is a Modbus RTU network.

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5. The translator apparatus of Claim 2 wherein said second communication network is an INCOM network.

6. The translator apparatus of Claim 2 wherein said second communication network is a Modbus RTU network.

7. The translator apparatus of Claim 1 wherein said slave devices include a first slave device having a first map of objects and commands and a second slave device having a different second map of objects and commands.

8. The translator apparatus of Claim 7 wherein said slave devices include a third slave device having a third map of objects and commands, said third map being different than said first and second maps.

9. The translator apparatus of Claim 1 wherein said slave devices are selected from the list comprising: an electrical interrupting device, a circuit breaker, a digital meter, a motor overload relay, and a monitoring unit.

10. The translator apparatus of Claim 3 wherein said INCOM network includes a plurality of commands operatively associated with said slave devices; and wherein said communication routine is further adapted to receive a request through the first transceiver based upon one of said commands.

11. The translator apparatus of Claim 1 wherein said communication routine is further adapted to read an object from one of the slave devices, and to send said read object in said response based upon said register map through the first transceiver.

12. The translator apparatus of Claim 1 wherein said communication routine is further adapted to receive an object in said request based upon said register map through the first transceiver, and to write said object to one of the slave devices through the second transceiver.

13. A translator apparatus comprising:
a first transceiver adapted to interface a Modbus RTU network having a first register map of values;
a second transceiver adapted to interface a slave communication network having a plurality of slave devices, said slave devices having

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at least one second register map of values, said second register map being different from said first register map of values; and

a processor comprising:

a first interface to said first transceiver,
a second interface to said second transceiver, and
a communication routine adapted to:

receive a request based upon said first register map through the first transceiver related to at least one of the values of one of the slave devices, said at least one of the values of one of the slave devices having a first position in the first register map and a second different position in the second register map,

send a request based upon said second register map through the second transceiver related to said at least one of the values of one of the slave devices,

receive a response based upon said second register map through the second transceiver related to said at least one of the values of one of the slave devices, and

send a response based upon said first register map through the first transceiver related to said at least one of the values of one of the slave devices.

14. The translator apparatus of Claim 13 wherein said slave communication network is a second Modbus RTU network.

15. The translator apparatus of Claim 13 wherein said slave devices include a first slave device having said first register map of values and a second slave device having said second register map of values.

16. The translator apparatus of Claim 15 wherein said slave devices include a third slave device having a third register map of values, said third register map being different than said first and second register maps of values.

17. The translator apparatus of Claim 13 wherein said request based upon said first register map is related to a plurality of the values of one of the slave

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devices, said values of one of the slave devices having first positions in the first register map and having second different positions in the second register map.

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